

1,008,411



# PATENT SPECIFICATION

DRAWINGS ATTACHED

1,008,411

Inventor: ERIC WALTER THOMPSON

Date of filing Complete Specification: Nov. 21, 1963.

Application Date: Dec. 17, 1962.

No. 47446/62.

Complete Specification Published: Oct. 27, 1965.

© Crown Copyright 1965.

Index at acceptance :—B7 J69

Int. Cl.:—B 26 d

## COMPLETE SPECIFICATION

### Interior Rear View Mirrors for Road Vehicles

We, WILMOT BREEDEN LIMITED, of Amington Road, Tyseley, Birmingham 11, a British Company, do hereby declare the invention for which we pray that a Patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to interior rear view mirrors for road vehicles and has as its object the provision of such mirrors in a convenient form.

An interior rear view mirror in accordance with the invention comprises, in combination, a support adapted for connection to a vehicle, a mirror housing adjustably mounted on said support, a mirror mounted in the mirror housing, said housing being so shaped as to provide between an in situ lower edge thereof and the rear surface of the mirror a space in which is disposed means for mounting an electric light source, so as to provide, in use, interior lighting for the vehicle in which the mirror is mounted.

The invention will now be more particularly described with reference to the accompanying drawings wherein:—

Figure 1 is a side view, partly in section, of one example of an interior rear view mirror in accordance with the invention;

Figure 2 is a section on the line 2—2 in Figure 1;

Figure 3 is a view of the rear side of the mirror shown in Figures 1 and 2; and

Figure 4 is a fragmentary view taken in the direction X in Figure 1.

In the example shown in the drawings the rear view mirror includes a support comprising a mounting plate 5 and an integrally formed arm 6, the support being formed of synthetic resin material. The arm 6 is of channel-shaped cross-sectional form and a cover 7 is provided for enclosing wires 8 which extend along the interior of the channel.

Integrally formed at one end of the arm 6 is one half 9 of a socket, the other half 10

of which is formed separately and is secured to the half 9 integral with the arm by means of a screw 11. A ball 12, integrally formed on a mirror housing 13 formed of synthetic resin material, is disposed in said socket, so that the housing 13 is adjustably mounted on the support.

The housing 13 is formed with a back portion 14 to which said ball 12 is integrally connected, and a rim portion 15 which surrounds a glass or synthetic resin mirror 16. The back portion 14 of the housing adjacent to the ball 12 is formed to a channel-shaped cross-sectional configuration which extends to one edge of the housing. Thus the back portion 14 at this position is spaced from the mirror 16 and mounted on the base of the channel-shaped portion is a pair of spaced terminals 17 between which a festoon-type bulb 18 can be mounted. Wires 8 extending along the arm 6 are connected to said terminals 17 by means of connectors 19 sprung into holes in rear of the housing 13. The connectors 19 are covered by a cup-shaped cover 20 of synthetic resin material which is sprung into the space between a pair of projections 21 on the rear of the housing 13.

In use the rear view mirror described is secured by the mounting plate 5 to the interior of a vehicle roof 22. A rubber buffer 23 on the arm engages the windscreen 24 of the vehicle so that the support is immovably mounted. The mirror 16 can be adjusted, however, by virtue of the ball and socket connection between the housing and the support. The mirror is so mounted that the bulb 18, when in position between the terminals 17, is behind the mirror 16 and shines downwardly when energised. Thus there is no glare to distract the driver.

In an alternative arrangement (not shown) the support may be formed in two halves, each comprising one half of the mounting plate, one half of the arm and one half of the socket. When the two halves are assembled

50

55

60

65

70

75

80

85

90

1008411

COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of  
the Original on a reduced scale

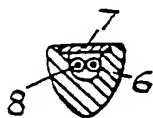
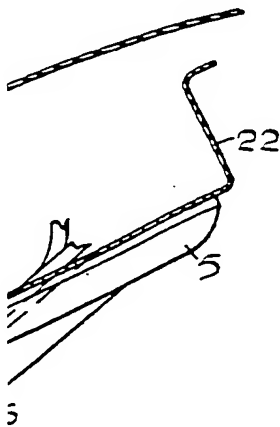


FIG. 2

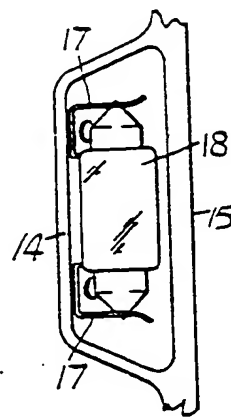


FIG. 4

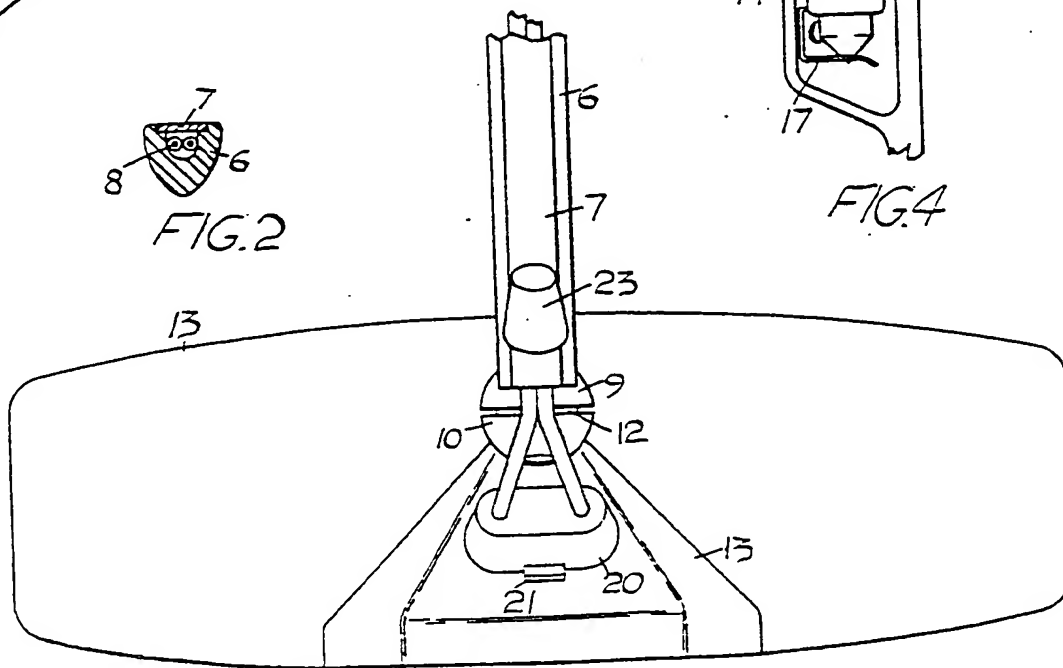


FIG. 3

417,010

1008411 COMPLETE SPECIFICATION  
1 SHEET This drawing is a reproduction of  
the Original on a reduced scale

